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NOTICE OF ALLOWANCE AND FEE(S) DUE

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7590

10/08/2009

KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614

EXAMINER					
MCCLENDON, SANZA L					
ART UNIT	PAPER NUMBER				
1796					

DATE MAILED: 10/08/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,826	06/26/2006	Genji Imai	WAKAB92.004APC	1989

TITLE OF INVENTION: POLYMER AND PROCESS FOR PRODUCING POLYMER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/08/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

ndicated unless correcte maintenance fee notifica		nerwise in Block I, by (a) specifying a new cor	respondence address;	and/or (b) indicating a sep	arate "FEE ADDRESS" for
CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Bl	lock 1 for any change of address)	F	ee(s) Transmittal. This pers. Each additional	s certificate cannot be used : paper, such as an assignment	or domestic mailings of the for any other accompanying ent or formal drawing, must
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2040 MAIN STE FOURTEENTH	FLOOR	& BEAR LLP	I S ac tr	hereby certify that thi	ificate of Mailing or Trans s Fee(s) Transmittal is bein ith sufficient postage for fir Stop ISSUE FEE address O (571) 273-2885, on the o	smission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
IRVINE, CA 92	614					(Depositor's name)
			<u> </u>			(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	OR .	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,826	06/26/2006		Genji Imai	•	WAKAB92.004APC	1989
APPLN, TYPE	SMALL ENTITY	OCESS FOR PRODUCIN	PUBLICATION FEE DU	E PREV. PAID ISSUE	FEE TOTAL FEE(S) DUE	DATE DUE
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"Fee Address" indication (or "Fee Address" Indication form registered attorney or agent) and the names of up to						
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE	A TO BE PRINTED ON ified below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing : (B) RESIDENCE: (CI'	patent. If an assigne in assignment. TY and STATE OR Co	OUNTRY)	locument has been filed for
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NOTE: The Issue Fee an	d Publication Fee (if req		ed from anyone other tha			he assignee or other party in
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This collection of inform in application. Confident ubmitting the completed his form and/or suggesti 30x 1450, Alexandria, V Alexandria, Virginia 223	d application form to the lons for reducing this bu Tirginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain of 1.14. This collection is a depending upon the ince Chief Information Off COMPLETED FORMS	r retain a benefit by the estimated to take 12 n lividual case. Any col icer, U.S. Patent and T TO THIS ADDRESS.	ne public which is to file (an minutes to complete, including mments on the amount of ti Frademark Office, U.S. Dep SEND TO: Commissioner	d by the USPTO to process) ng gathering, preparing, and me you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,

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KNOBBE MARTENS OLSON & BEAR LLP			MCCLENDON, SANZA L	
2040 MAIN STREET			ART UNIT	PAPER NUMBER
FOURTEENTH FLOOR IRVINE, CA 92614		1796 DATE MAILED: 10/08/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 586 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 586 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)		
	10/596,826	IMAI, GENJI		
Notice of Allowability	Examiner	Art Unit		
100	One of McOlandan	4700		
	Sanza L. McClendon	1796		
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS		
1. This communication is responsive to 6/10/2009.				
2. ☑ The allowed claim(s) is/are <u>21-31</u> .				
3. ☑ Acknowledgment is made of a claim for foreign priority un a) ☑ All b) ☐ Some* c) ☐ None of the:				
1. Certified copies of the priority documents have				
2. Certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •			
3. Copies of the certified copies of the priority doc	cuments have been received in this r	national stage application from the		
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give				
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	office action of		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in tl				
6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT				
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),		
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat			
Paper No./Mail Date				
 Examiner's Comment Regarding Requirement for Deposit of Biological Material 		ent of Reasons for Allowance		
	9.			

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DETAILED ACTION

Response to Amendment

1. In response to the Amendment received on June 10, 2009, the examiner has carefully considered the amendments. The examiner acknowledges the cancellation of claims 1-20 and the addition of new claims 21-31.

Response to Arguments

2. Applicant's arguments, see Remarks/Amendment, filed June 10, 2009, with respect to claims 21-31 have been fully considered and are persuasive. The rejection of claim 1-6, 9-11 and 14-17 under the grounds of nonstatutory obviousness-type double patenting over claims 1-2, 5 and 7-24 US Patent No. 7,081,486 of has been withdrawn. The amended claims as instantly written no longer comprise the overlapping subject matter. The claims of 7,081,486 do not require the organo-metal complex. The rejection of claims 1-6, 9-11 and 14-17 under 35 USC 102(e) as being unpatentable over Imai et al (7,081,486) has been withdrawn. Imai et al (7,081,486) does not set forth functionalizing the obtained polymer with an organometallic complex. The rejection of claims 1-8, 14-15, and 18-19 under 35 USC 102(a) as being unpatentable over Imai et al (7,416,707) is withdrawn. Imai et al (7,416,707) while teaching a polymer obtained by a similar method fails to set forth polymerizing in the presence of a additive comprising an organometallic complex for functionalizing the obtained polymer.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided

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by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 27, lines 1-2 please delete the subject matter "contains at least one additive component comprising" and replace in its stead the following "has been functionalized by".

In claim 30, line 1 please delete the word "contains" and replace with "comprising".

Please note this examiner's amendment has been made to better place the claimed in condition for allowance by removing the indefiniteness of the claim.

Allowable Subject Matter

- 4. Claims 21-31 are allowed.
- 5. The following is an examiner's statement of reasons for allowance: The prior art fails to teach, alone or in combination, a process for producing a polymer which comprising photo-polymerizing at least one photopolymerizable precursor having at least two or more unsaturated bonds by irradiation in a supercritical or subcritical fluid in the presence of at least one additive which comprises at least one organometallic complex for adding polymer function to produce a polymer having juts comprising said additive component. Nor does the prior art set for a polymer comprising juts that has been functionalized by at least one organometallic complex.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanza L. McClendon whose telephone number is (571) 272-1074. The examiner can normally be reached on Monday through Friday 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Primary Examiner Art Unit 1796

SMc